

**We claim:**

1. An apparatus for a mobile self-contained vehicle wash including:

5       a trailer;  
          a water source contained within said trailer;  
          a pump mechanically connected to supplied by said  
water source wherein said pump is located within said  
trailer;

10       a vehicle wash structure supplied by said pump  
whereby said vehicle wash structure in a disassembled form  
is contained within said trailer and whereby said wash  
structure is assembled for use as a vehicle wash outside  
of said trailer.

15       2. The apparatus of claim 1, wherein said trailer fully  
encloses an interior.

3. The apparatus of claim 1, further including a power  
20 generator located within said trailer, whereby said power  
generator is an independent power source.

4. The apparatus of claim 1, further including a heat  
sensor wherein said heat sensor shuts down power at a  
25 circuit breaker box within said trailer.

5. The apparatus of claim 1, further including a vacuum,  
whereby said vacuum supports a vacuuming operation within  
said vehicle wash structure.



12. The apparatus of claim 1, further including a heat source which provides heat for said trailer and said vehicle wash structure.

5 13. The apparatus of claim 12, further including a propane tank which provides fuel for said heat source.

14. The apparatus of claim 1, further including a tributary tank wherein said tributary tank holds waste  
10 water produced from said vehicle wash structure.

15. The apparatus of claim 14, further including a plurality of filters wherein said filters recycle waste water contained and drawn from said tributary tank.

15 16. The apparatus of claim 15, wherein said waste water is filtered to approximately three microns.

17. The apparatus of claim 1, further including an  
20 electronic regulator valve wherein said valve controls a water pressure of said water source.

18. The apparatus of claim 1, further including a containment cart whereby said containment cart is a  
25 storage area for said vehicle wash structure.

19. The apparatus of claim 18, wherein said containment cart provides additional storage for support equipment for said vehicle wash structure.

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20. The apparatus of claim 19, wherein said containment  
cart further includes a pivoting movement structure.

21. The apparatus of claim 20, wherein said containment  
5 cart further includes a loading bracket machined for  
securing spray system piping.

22. The apparatus of claim 1, wherein said wash structure  
further includes corner pieces wherein said corner pieces  
10 provide attachment areas for a covering canvass.

23. The apparatus of claim 22, wherein said corner piece  
further provides support for wash piping of said vehicle  
wash structure.

15 24. The apparatus of claim 22, wherein said corner piece  
further includes attachment areas wash support equipment  
shelving.

20 25. The apparatus of claim 22, wherein said corner piece  
further includes a guide mechanism where said guide  
mechanism allows roller operation of end canvass closures  
of said vehicle wash structure.

26. A method of assembling a mobile self-contained vehicle wash, said method comprising the steps of

providing a trailer containing said mobile self-contained vehicle wash;

5 removing a vehicle wash structure from said trailer;  
assembling said vehicle wash structure on a parking surface; and

connecting said vehicle wash structure to a pump contained within said trailer, thereby providing  
10 pressurized water to said wash structure.

27. The method of claim 26, wherein said vehicle wash structure is removed on a containment cart.

15 28. The method of claim 26, further including the step of setting a containment mat on the base of said vehicle wash structure wherein said containment mat collects residual liquid produced during vehicle wash operation.

20 29. The method of claim 26, further including the step of pumping residual liquid produced during a wash operation back to said trailer.

30. The method of claim 29, further including the step of  
25 treating said residual liquid for re-use within the vehicle wash structure.

31. The method of claim 26, further including the step of installing an overhead spray section wherein said spray  
30 section provides directional flow of wash fluid within said vehicle wash structure.

32. The method of claim 31, further including the step of monitoring a pressure within said spray section thereby ensuring adequate wash fluid coverage of said vehicle.

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33. The method of claim 26, further including the step of positioning structural components of said vehicle wash structure using a jack.

10 34. The method of claim 33 wherein said jack comprises  
a base;  
a stanchion pivoting on said base;  
a cranking device affixed to said stanchion;  
wire rope wound on said cranking device wherein said  
15 cranking device lifts said structural components by wire  
tension;  
a notched jacking plate mechanically secured to said  
wire rope wherein said jacking plate provides an  
attachment section between said jack and said structural  
20 components.

35. The method of claim 26, further including the step of providing solid corners within the wash structure wherein said corners provide system support conduits and  
25 additional structural support for said wash structure.

36. The method of claim 26, further including the step of covering said wash structure with canvass sections wherein said canvass sections isolate wash operations within said  
30 vehicle wash structure.

37. The method of claim 26, further including the step of installing roller canvass sections at the ends of said vehicle wash structure.

5 38. The method of claim 26, further including the step of providing heat to said vehicle wash structure.

39. The method of claim 26, further including the step of providing electrical power to said vehicle wash structure.

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40. The method of claim 26, further including the step of providing compressed air to said vehicle wash structure.

41. A method of washing a vehicle using a mobile self-contained vehicle wash; said method comprising the steps of:

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providing the mobile self-contained vehicle wash of claim 1;

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soaking the vehicle with fluid supplied by fixed spray nozzles by remotely activating pumps within said trailer;

adjusting with a foot pedal an amount of said fluid dispensed by the spray nozzles;

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applying a cleansing agent to said vehicle; and rinsing the vehicle with fluid supplied by said spray nozzles.

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42. The method of claim 41, wherein said soaking and application steps further include the high pressure atomized water of a hand-held sprayer.

43. The method of claim 41, including the further steps  
of:

capturing said fluid;

pumping said fluid to a tributary system within the  
5 trailer;

filtering said fluid, thereby making the fluid  
available for re-use within the vehicle wash.

44. The method of claim 41, further including the step  
10 of:

vacuuming the interior of the vehicle wherein said  
vacuum is remotely operated with the vehicle wash  
structure.

45. The method of claim 43, wherein said filtered fluid  
15 and residual effluence is held for future disposal.